



Eastern Research Group  
601 Keystone Park Drive  
Suite 700  
Morrisville, NC 27560

August 25, 2016

Mr. Dave Shelow  
U.S. Environmental Protection Agency - OAQPS  
109 T.W. Alexander Drive  
Research Triangle Park, NC 27709  
Project Name: Chloroprene

Dear Mr. Dave Shelow,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 08/09/16 10:40 through 08/15/16 11:03.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift  
Program Manager  
[julie.swift@erg.com](mailto:julie.swift@erg.com)

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify [julie.swift@erg.com](mailto:julie.swift@erg.com) and delete the report without retaining any copies.



## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

**ATTN:** Mr. Dave Shelow

**PHONE:** (919) 541-2364 **FAX:** -

**FILE #:** 0344.00

**REPORTED:** 08/25/16 12:33

**SUBMITTED:** 08/09/16 to 08/15/16

**AQS SITE CODE:**

**SITE CODE:** Chloroprene

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Levee	6080916-01	Air	08/05/16 11:55	08/09/16 10:40
Levee	6080916-02	Air	08/08/16 12:37	08/09/16 10:40
Fifth Ward Elementary School	6080916-03	Air	08/05/16 11:59	08/09/16 10:40
Fifth Ward Elementary School	6080916-04	Air	08/08/16 12:42	08/09/16 10:40
Acorn and Hwy 44 C1	6080916-05	Air	08/05/16 11:51	08/09/16 10:40
Acorn and Hwy 44 C2	6080916-06	Air	08/05/16 11:51	08/09/16 10:40
Acorn and Hwy 44 C1	6080916-07	Air	08/08/16 12:34	08/09/16 10:40
Acorn and Hwy 44 C2	6080916-08	Air	08/08/16 12:34	08/09/16 10:40
238 Chad Baker	6080916-09	Air	08/05/16 12:03	08/09/16 10:40
238 Chad Baker	6080916-10	Air	08/08/16 12:45	08/09/16 10:40
Ochsner Hospital	6080916-11	Air	08/05/16 11:41	08/09/16 10:40
Ochsner Hospital	6080916-12	Air	08/08/16 12:27	08/09/16 10:40
East St. John the Baptist High	6080916-13	Air	08/05/16 11:35	08/09/16 10:40
East St. John the Baptist High	6080916-14	Air	08/08/16 12:22	08/09/16 10:40
Ochsner Hospital C1	6081519-01	Air	08/11/16 13:00	08/15/16 11:03
Ochsner Hospital C2	6081519-02	Air	08/11/16 13:01	08/15/16 11:03
238 Chad Baker	6081519-03	Air	08/11/16 13:23	08/15/16 11:03
East St. John the Baptist High	6081519-04	Air	08/11/16 12:54	08/15/16 11:03
Acorn and Hwy 44	6081519-05	Air	08/11/16 13:11	08/15/16 11:03
Levee	6081519-06	Air	08/11/16 13:15	08/15/16 11:03
Fifth Ward Elementary School	6081519-07	Air	08/11/16 13:19	08/15/16 11:03

Eastern Research Group

*The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6080916-01

Sampled: 08/05/16 11:55

Pressure @ Receipt: 8.50" Hg

Canister #: 5145

Received: 08/09/16 10:40

Comments: PR-10 Start 11:54 8/4/16

Analyzed: 08/09/16 18:52

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	5.90	21.40		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6080916-02

Sampled: 08/08/16 12:37

Pressure @ Receipt: 11.00" Hg

Canister #: 19660

Received: 08/09/16 10:40

Comments: PR-7 Start 12:36 8/7/16

Analyzed: 08/09/16 19:56

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.764	2.77		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6080916-03

Sampled: 08/05/16 11:59

Pressure @ Receipt: 8.0" Hg

Canister #: 5136

Received: 08/09/16 10:40

Comments: PR-18 Start 11:58 8/4/16

Analyzed: 08/09/16 20:59

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	2.39	8.67		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6080916-04

Sampled: 08/08/16 12:42

Pressure @ Receipt: 7.50" Hg

Canister #: 18878

Received: 08/09/16 10:40

Comments: PR-9 Start 12:41 8/7/16

Analyzed: 08/09/16 22:02

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.157	0.57		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 6080916-05

Sampled: 08/05/16 11:51

Pressure @ Receipt: 10.50" Hg

Canister #: 5042

Received: 08/09/16 10:40

Comments: Col 1 PR-4 Start 11:50 8/4/16

Analyzed: 08/09/16 23:06

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.44	12.50		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 6080916-06

Sampled: 08/05/16 11:51

Pressure @ Receipt: 8.00" Hg

Canister #: 5021

Received: 08/09/16 10:40

Comments: Col 2 PR-2 Start 11:50 8/4/16

Analyzed: 08/10/16 00:09

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.51	12.70		0.010





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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C1

Lab ID: 6080916-07

Sampled: 08/08/16 12:34

Pressure @ Receipt: 4.50" Hg

Canister #: 19279

Received: 08/09/16 10:40

Comments: Col 1 PR-19 Start 12:33 8/7/16

Analyzed: 08/10/16 03:21

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.34	4.86		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44 C2

Lab ID: 6080916-08

Sampled: 08/08/16 12:34

Pressure @ Receipt: 7.50" Hg

Canister #: SAT050

Received: 08/09/16 10:40

Comments: Col 2 PR-10 Start 12:33 8/7/16

Analyzed: 08/10/16 04:24

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.65	5.99		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6080916-09

Sampled: 08/05/16 12:03

Pressure @ Receipt: 8.0" Hg

Canister #: 22327

Received: 08/09/16 10:40

Comments: PR-5 Start 12:02 8/4/16

Analyzed: 08/10/16 07:33

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.61	5.84		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6080916-10

Sampled: 08/08/16 12:45

Pressure @ Receipt: 9.50" Hg

Canister #: A21089

Received: 08/09/16 10:40

Comments: PR-4 Start 12:44 8/7/16

Analyzed: 08/10/16 08:37

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.115	0.42		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 6080916-11

Sampled: 08/05/16 11:41

Pressure @ Receipt: 11.00" Hg

Canister #: SAT096

Received: 08/09/16 10:40

Comments: PR-7 Start 11:38 8/4/16

Analyzed: 08/10/16 09:41

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.51	5.48		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 6080916-12

Sampled: 08/08/16 12:27

Pressure @ Receipt: 7.50" Hg

Canister #: 19655

Received: 08/09/16 10:40

Comments: PR-18 Start 12:26 8/7/16

Analyzed: 08/10/16 10:44

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.228	0.83		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6080916-13

Sampled: 08/05/16 11:35

Pressure @ Receipt: 8.00" Hg

Canister #: A21052

Received: 08/09/16 10:40

Comments: PR-9 Start 11:33 8/4/16

Analyzed: 08/10/16 11:48

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.658	2.39		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6080916-14

Sampled: 08/08/16 12:22

Pressure @ Receipt: 8.50" Hg

Canister #: 5013

Received: 08/09/16 10:40

Comments: PR-5 Start 12:21 8/7/16

Analyzed: 08/10/16 12:51

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.449	1.63		0.010





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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital C1

Lab ID: 6081519-01

Sampled: 08/11/16 13:00

Pressure @ Receipt: 9.50" Hg

Canister #: SAT004

Received: 08/15/16 11:03

Comments: Col 1 PR-4 Start 12:50 8/10/16

Analyzed: 08/17/16 20:56

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.669	2.43		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital C2

Lab ID: 6081519-02

Sampled: 08/11/16 13:01

Pressure @ Receipt: 7.00" Hg

Canister #: SAT106

Received: 08/15/16 11:03

Comments: Col 2 PR-10 Start 12:50 8/10/16

Analyzed: 08/17/16 21:59

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.616	2.24		0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6081519-03

Sampled: 08/11/16 13:23

Pressure @ Receipt: 9.00" Hg

Canister #: 5058

Received: 08/15/16 11:03

Comments: PR-22 Start 13:15 8/10/16

Analyzed: 08/18/16 01:10

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6081519-04

Sampled: 08/11/16 12:54

Pressure @ Receipt: 7.00" Hg

Canister #: SAT134

Received: 08/15/16 11:03

Comments: PR-23 Start 12:43 8/10/16

Analyzed: 08/18/16 02:12

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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REPORTED: 08/25/16 12:33

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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6081519-05

Sampled: 08/11/16 13:11

Pressure @ Receipt: 7.50" Hg

Canister #: SAT070

Received: 08/15/16 11:03

Comments: PR-9 Start 13:03 8/10/16

Analyzed: 08/18/16 03:15

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.53	12.80		0.010



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REPORTED: 08/25/16 12:33

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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6081519-06

Sampled: 08/11/16 13:15

Pressure @ Receipt: 7.00" Hg

Canister #: SAT091

Received: 08/15/16 11:03

Comments: PR-18 Start 13:07 8/10/16

Analyzed: 08/18/16 04:18

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.179	0.65		0.010



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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6081519-07

Sampled: 08/11/16 13:19

Pressure @ Receipt: 6.00" Hg

Canister #: 5132

Received: 08/15/16 11:03

Comments: PR-19 Start 13:11 8/10/16

Analyzed: 08/18/16 05:21

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 FAX: -

FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### Batch B6H0907 - Summa Canister Prep

##### Blank (B6H0907-BLK1)

Prepared: 08/04/16 Analyzed: 08/09/16

Chloroprene	ND	ppbv				U
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##### Duplicate (B6H0907-DUP1)

Source: 6080916-05 Prepared: 08/05/16 Analyzed: 08/10/16

Chloroprene	3.58	ppbv	3.44	3.98	25	
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##### Duplicate (B6H0907-DUP2)

Source: 6080916-06 Prepared: 08/05/16 Analyzed: 08/10/16

Chloroprene	3.74	ppbv	3.51	6.35	25	
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##### Duplicate (B6H0907-DUP3)

Source: 6080916-07 Prepared: 08/08/16 Analyzed: 08/10/16

Chloroprene	1.34	ppbv	1.34	0.0596	25	
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##### Duplicate (B6H0907-DUP4)

Source: 6080916-08 Prepared: 08/08/16 Analyzed: 08/10/16

Chloroprene	1.61	ppbv	1.65	2.09	25	
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#### Batch B6H1705 - Summa Canister Prep

##### Blank (B6H1705-BLK1)

Prepared: 08/15/16 Analyzed: 08/17/16

Chloroprene	ND	ppbv				U
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##### Duplicate (B6H1705-DUP1)

Source: 6081519-01 Prepared: 08/11/16 Analyzed: 08/17/16

Chloroprene	0.657	ppbv	0.67	1.86	25	
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##### Duplicate (B6H1705-DUP2)

Source: 6081519-02 Prepared: 08/11/16 Analyzed: 08/18/16

Chloroprene	0.648	ppbv	0.62	4.91	25	
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FILE #: 0344.00

REPORTED: 08/25/16 12:33

SUBMITTED: 08/09/16 to 08/15/16

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### Sequence 1608021

##### Calibration Check (1608021-CCV1)

Prepared & Analyzed: 08/09/16

Chloroprene	0.998	ppbv	-9.3	30.00
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#### Sequence 1608036

##### Calibration Check (1608036-CCV1)

Prepared & Analyzed: 08/17/16

Chloroprene	1.08	ppbv	-1.8	30.00
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**PHONE:** (919) 541-2364 **FAX:** -

**FILE #:** 0344.00

**REPORTED:** 08/25/16 12:33

**SUBMITTED:** 08/09/16 to 08/15/16

**AQS SITE CODE:**

**SITE CODE:** Chloroprene

### Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.